

**ABSTRACT**

2'-*O*-(2-Methylthioethyl), has been incorporated into oligonucleotides and evaluated for antisense properties in comparison with the known 2'-*O*-(2-methoxyethyl) 2'-*O*-MOE modification. The 2'-*O*-MTE modified oligonucleotides exhibit improved binding to human serum albumin compared with the 2'-*O*-MOE modified oligonucleotides and maintain high binding affinity to target RNA.